

BRIEFER ARTICLES

A NEW SPECIES OF ANDROPOGON

Andropogon urbanianus, n. sp.—Perennis; culmis glabris, 60–120 cm. altis; laminis teretibus, glabris; racemis binis, 2–4 cm. longis, vagina longioribus; rachi villosis; spicula sessili glabra, a basi villosa, 5 mm. longa, arista 2 cm. longa; pedicelli sterili villosi, 5 mm. longo, spicula pedicellata 3 mm. longa.

Perennial; culms glabrous, 60–120 cm. high, branched above, sheaths villous on the margin and toward the summit, or glabrate; ligule membranaceous, ciliate, 2 mm. long; blades terete, channeled above, glabrous, the two margins of the channel scabrous, villous above at base, 10–20 cm. long, about 1 mm. thick, tapering to a fine point; racemes 2 from each sheath, silky but not densely so, 2–4 cm. long, scattered along the upper part of the culms, usually of unequal length, the rachis joints slender, villous with long hairs, the subtending sheath shorter than the racemes; sessile spikelets 5 mm. long, glabrous, villous at base, scabrous above on nerves and keels, the awn geniculate, twisted below, 2 cm. long; sterile pedicel about as long as sessile spikelet, villous with hairs as much as 1 cm. long; pediceled spikelet reduced to a scale 3 mm. long.

Type specimen collected in Santo Domingo, Prov. Barahona near Las Salinas, by Padre MIGUEL FUERTES, no 1420, Sept. 1911. Other specimens referred to this species are: CAMACHE (St. Michel), Haiti, "in prato montano sicco"; W. BUCH no. 1074; FURCY, Buch 961.—A. S. HITCHCOCK, *Washington, D.C.*

EVAPORATION AND THE STRATIFICATION OF VEGETATION

(WITH ONE FIGURE)

During some investigations of the evaporating power of the air in various plant associations, data were obtained that show the amount of increase in the atmospheric humidity of the confined area of a ravine, and that tend to emphasize the contention of YAPP¹ that the varying

¹ YAPP, R. H., On stratification in the vegetation of a marsh, and its relations to evaporation and temperature. *Ann. Botany* 23:275–320. 1909.